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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

ROBERT A. SUTTON ET AL.

Serial No.: 10/723,488

Filed: November 26, 2003

For: METHOD OF MAKING COPOLYMERS  
CONTAINING OLEFINIC TYPE  
MONOMERS

PATENT APPLICATION

Group Art Unit: 1711

Confirmation No. 9540

Customer No. 24959

Attorney Docket No.: 1897A1

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The documents listed on the attached Form PTO-1449 are brought to the attention of the United States Patent and Trademark Office with respect to the application identified above in accordance with the provisions of 37 CFR 1.56, 1.97, and 1.98.

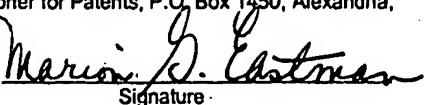
These references were cited in a Search Report for a PCT application associated with the present application not more than three months prior to the filing of this Supplemental Information Disclosure Statement. A copy of the Search Report and copies of non-U. S. patent documents listed are enclosed herewith.

Respectfully submitted,

Donald R. Palladino  
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Attorney for Applicants  
Telephone No. (412) 434-3186  
Facsimile No. (412) 434-4292

Pittsburgh, Pennsylvania  
June 8, 2005

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on June 8, 2005   
Date

Marion G. Eastman  
Typed or Printed Name of Person Signing Certificate

LIST OF CITATIONS BY APPLICANT (Use several sheets if necessary)	Atty. Docket No. 1897A1	Serial No. 10/723,488
JUN 10 2005 PATENT & TRADEMARK OFFICE		Applicant Robert A. Sutton et al.
	Filing Date November 26, 2003	Group Art Unit 1711

## U.S. PATENT DOCUMENTS

Exam. Init.		Document No.	Date	Name	Class	Subclass	Filing Date if appropriate
MB	AA	2003/0171515 A1	09/2003	Coca et al.	526	219.6	
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation Yes	No
MB	AL	03/070782 A1	08/2003	WO				
MB	AM	03/070783 A1	08/2003	WO				
MB	AN	1491 561 A1	12/2004	European				
	AO							
	AP							
	AQ							

## OTHER CITATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Toru Doi et al.: "A New Class of Transparent Polymeric Materials. I. Production and Properties of an Alternating Copolymer of N-methylmaleimide and Isobutene", JOURNAL OF APPLIED POLYMER SCIENCE, John Wiley and Sons, Inc., New York, US, vol. 62, no. 5, 1 August 1996, pages 853-858
AS	
AT	

Examiner <i>M. Berashdeyn</i>	Date Considered 08/15/05
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

SUBSTITUTE DISCLOSURE STATEMENT FORM (PTO 1449)

Application No. 10/723,488  
Paper Dated April 8, 2004  
Attorney Docket No. 1897A1

APR 12 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/723,488

Confirmation No. 9540

Applicants : Robert A. Sutton and Timothy B. Syput

Filed : November 26, 2003

Title : Method of Making Copolymers Containing  
Olefinic Type Monomers

Group Art Unit : 1711

Examiner : Not Yet Assigned

Customer No. : 24959

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

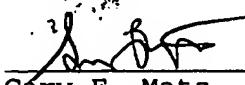
The information in this statement and the attachments  
hereto are submitted in compliance with the requirements of  
37 C.F.R. § 1.56(a).

The documents listed in the attached Form PTO/SB/08A are  
brought to the attention of the United States Patent and Trademark  
Office with respect to the above-identified application in  
accordance with the provisions of 37 C.F.R. § 1.97. Copies of the  
non-patent literature documents listed are enclosed herewith.

Pursuant to 37 C.F.R. § 1.97(b)(3), no fee is believed to  
be due with the submission of this Information Disclosure Statement,  
as it is being submitted before the mailing date of a first Office  
Action on the merits. Nevertheless, the Commissioner for Patents is  
hereby authorized to charge any fees which may be required to  
Deposit Account No. 16-2025. One (1) original and two (2) copies of  
this Information Disclosure Statement are enclosed.

Respectfully submitted,

William J. Uhl, Esq.  
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Ruth A. Walkup  
(Typed Name of Person Mailing Paper)

  
Ruth A. Walkup  
Signature  
04/08/2004  
Date

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Substitute for form 1449A/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				Application Number	10/723,488
Sheet	1	of	3	Filing Date	November 26, 2003
				First Named Inventor	Robert A. Sutton
				Group Art Unit	1711
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	1897A1

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup>			
MB	AA	6,281,272		Baldy et al.	08/28/2001	
MB	AB	6,114,489		Vicari et al.	09/05/2000	
MB	AC	6,111,001		Barancyk et al.	08/29/2000	
MB	AD	5,989,642		Singer et al.	11/23/1999	
MB	AE	5,976,701		Barancyk et al.	11/02/1999	
MB	AF	5,807,937		Matyjaszewski et al.	09/15/1998	
MB	AG	5,777,061		Yonek et al.	07/07/1998	
MB	AH	5,710,214		Chou et al.	01/20/1998	
MB	AI	5,663,240		Simeone et al.	09/02/1997	
MB	AJ	5,554,692		Ross	09/10/1996	
MB	AK	5,552,487		Clark et al.	09/03/1996	
MB	AL	5,510,444		Halpaap et al.	04/23/1996	
MB	AM	5,508,337		Wamprecht et al.	04/16/1996	
MB	AN	5,439,896		Ito et al.	08/08/1995	
MB	AO	5,407,707		Simeone et al.	04/18/1995	
MB	AP	5,356,973		Taljan et al.	10/18/1994	
MB	AQ	5,214,101		Pettit, Jr. et al.	05/25/1993	
MB	AR	5,202,382		Pettit, Jr.	04/13/1993	
MB	AS	5,098,955		Pettit, Jr.	03/24/1992	
MB	AT	5,071,904		Martin et al.	12/10/1991	
MB	AU	4,997,900		Brinkman	03/05/1991	
MB	AV	4,937,288		Pettit, Jr. et al.	06/26/1990	
MB	AW	4,889,890		Kerr et al.	12/26/1989	
MB	AX	4,403,003		Backhouse	09/06/1983	
MB	AY	4,220,679		Backhouse	09/02/1980	
MB	AZ	4,151,336		Sackmann et al.	04/24/1979	

Examiner Signature	M. Bernickayn	Date Considered	08/15/05
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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<p>Substitute for form 1449A/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p>(use as many sheets as necessary)</p>				<p>Complete if Known</p> <table border="1"> <tr> <td>Application Number</td> <td>10/723,488</td> </tr> <tr> <td>Filing Date</td> <td>November 26, 2003</td> </tr> <tr> <td>First Named Inventor</td> <td>Robert A. Sutton</td> </tr> <tr> <td>Group Art Unit</td> <td>1711</td> </tr> <tr> <td>Examiner Name</td> <td>Not Yet Assigned</td> </tr> <tr> <td>Attorney Docket Number</td> <td>1897A1</td> </tr> </table>		Application Number	10/723,488	Filing Date	November 26, 2003	First Named Inventor	Robert A. Sutton	Group Art Unit	1711	Examiner Name	Not Yet Assigned	Attorney Docket Number	1897A1
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Examiner Name	Not Yet Assigned																
Attorney Docket Number	1897A1																
Sheet	2	of	3														

Examiner Signature	M. Bernskeen	Date Considered	08/15/03
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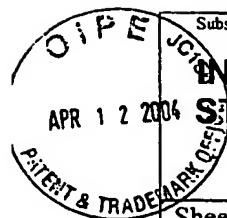
**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

3 of 3

## Complete If Known

Application Number	10/723,488
Filing Date	November 26, 2003
First Named Inventor	Robert A. Sutton
Group Art Unit	1711
Examiner Name	Not Yet Assigned
Attorney Docket Number	1897A1

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, cite and/or country where published.	T <sup>2</sup>
MB	BL	GREENLEY, "Q and e Values for Free Radical Copolymerizations of Vinyl Monomers and Telogens," <u>Polymer Handbook</u> , Fourth Edition, John Wiley & Sons, Inc., pp. 309-319, 1999.	
MB	BM	ODIAN, "Chain Copolymerization," <u>Principles of Polymerization</u> , Third Edition, John Wiley & Sons, Inc., pp. 452-491, 1991.	
MB	BN	COWIE, <u>Alternating Copolymers</u> , Plenum Press, pp. 1-137, 1985.	
MB	BO	RZAEV et al., "Complex-Radical Copolymerization of 2,4,4-trimethylpentene-1 with Maleic Anhydride," <u>Eur. Polym. J.</u> , Vol. 34, No. 7, pp. 981-985, 1998.	
MB	BP	MASHITA et al., "Alternating Copolymerization of Isobutylene and Acrylic Ester with Alkylboron Halide," <u>Polymer</u> , Vol. 36, No. 15, pp. 2973-2982, 1995.	
MB	BQ	MASHITA et al., "Alternating Copolymers of Isobutylene and Acrylic Ester by Complexed Copolymerization," <u>Polymer</u> , Vol 36, No. 15, pp. 2983-2988, 1995.	
MB	BR	KUNTZ et al., "Poly[2,2-Dimethyl-4-(methoxycarbonyl)butylene]: Synthesis with an Ethylaluminum Sesquichloride-Peroxide Initiator and NMR Characterization," <u>J. of Polymer Science: Polymer Chemistry Edition</u> , Vol. 16, pp. 1747-1753, 1978.	
MB	BS	HIROOKA et al., "Complexed Copolymerization of Vinyl Compounds with Alkylaluminum Halides," <u>Journal of Polymer Science: Polymer Chemistry Edition</u> , Vol. 11, pp. 1281-1306, 1973.	

Examiner Signature	m. Bernshteyn	Date Considered	08/15/05
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